

KCTD13 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17375b**Specification**

KCTD13 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8WZ19
Other Accession	Q7TPL3 , Q922M3 , Q9H3F6 , Q5EAX2 , Q7TNY1 , Q70479 , Q13829 , Q5F3E8 , Q8BGV7 , Q2T9W0 , NP_849194.1 , A9ULR9
Reactivity	Human
Predicted	Bovine, Zebrafish, Mouse, Chicken, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	229-258

KCTD13 Antibody (C-term) - Additional Information**Gene ID** 253980**Other Names**

BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 1, hBACURD1, BTB/POZ domain-containing protein KCTD13, Polymerase delta-interacting protein 1, TNFAIP1-like protein, KCTD13, BACURD1, PDIP1, POLDIP1

Target/Specificity

This KCTD13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 229-258 amino acids from the C-terminal region of human KCTD13.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KCTD13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KCTD13 Antibody (C-term) - Protein Information

Name KCTD13

Function Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for synaptic transmission (PubMed:[19782033](#)). The BCR(KCTD13) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome (PubMed:[19782033](#)) Degradation of RHOA regulates the actin cytoskeleton and promotes synaptic transmission (By similarity).

Cellular Location

Nucleus.

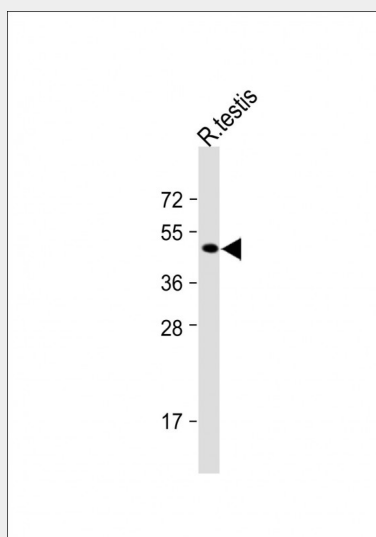
Tissue Location

Expressed in a wide variety of tissues.

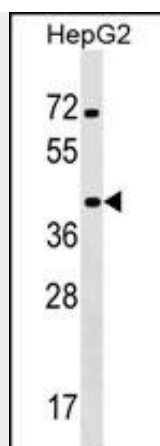
KCTD13 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCTD13 Antibody (C-term) - Images

All lanes : Anti-KCTD13 Antibody (C-term) at 1:1000 dilution Lane 1: rat testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 42kDa Blocking/Dilution buffer: 5% NFDM/TBST.



KCTD13 Antibody (C-term) (Cat. #AP17375b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the KCTD13 antibody detected the KCTD13 protein (arrow).

KCTD13 Antibody (C-term) - Background

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in regulation of cytoskeleton structure. The BCR(BACURD1) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and cell migration.

KCTD13 Antibody (C-term) - References

- Chen, Y., et al. Mol. Cell 35(6):841-855(2009)
Tomaru, T., et al. Endocrinology 147(1):377-388(2006)
Zhou, J., et al. J. Exp. Zoolog. Part A Comp. Exp. Biol. 303(3):227-240(2005)
Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)
Kutsenko, A.S., et al. Nucleic Acids Res. 30(14):3163-3170(2002)